## Abstract

A facsimile system is disclosed for transferring a facsimile using a Transmission Control Protocol/Internet Protocol (TCP/IP) network. The facsimile system comprises a first communication processing system and a second communication processing system. The first communication processing system converts the facsimile into application packets that indicate individual application packet lengths. The first communication processing system then converts the application packets into TCP/IP packets and transfers the TCP/IP packets to the TCP/IP network. The second communication processing system receives the transferred TCP/IP packets from the TCP/IP network and converts the transferred TCP/IP packets into transferred application packets. The second communication processing system converts the transferred application packets into the facsimile using the individual application packet lengths.